

REMARKS

Claim 15 has been amended and the phrase "...having two types of impulses spaced..." was amended to clarify that the two types of impulses have "opposite signs". Basis for this amendment can be derived from Fig. 2 where the driver signal T is illustrated in a form of positive and negative pulses separated by intervals of neutral signal states. This signal, when applied to element 4 (interferometer), produces a signal with pulses of different phase shift where the phase shift depends on the "sign" of the driver signal T. This is further described on page 6, line 33 - page 7, line 2.

Froberg discloses a driver signal (Fig. 3), which is always on the same side of the axis, i.e., there are *no* two types of pulses having opposite signs in the driver signal disclosed by Froberg. A driver signal having two types of impulses with opposite signs is also not disclosed by Layton. In consequence the amended claim 15 is novel and non-obvious.

Wherefore, a favorable action is earnestly solicited.

Respectfully submitted,

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